National Aeronautics and Space Administration

AEROSPACE Frontiers

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Glenn Generates Excitement for Mars Curiosity Rover

Go Curiosity!

For nearly 72 hours prior to its much-anticipated landing, the Mars Curiosity rover was the focus of several NASA Glenn Research Center community events designed to celebrate NASA's bold mission to the surface of Mars.

About the size of a small SUV, with a science payload 15 times the science mass of twin rovers Spirit and Opportunity and 86 times the science mass of the Sojourner rover, Curiosity is the centerpiece of NASA's Mars Science Laboratory (MSL) mission. It features 10 major science instruments including a geology laboratory, a rock-vaporizing laser and numerous cameras to detect organic molecules that will help determine if the Gale Crater was ever able to or is capable of supporting microbial life.

Social Networking

The countdown began Friday, Aug. 3, when NASA Glenn's Web Portal team generated excitement among 26 social media followers—on Twitter, Facebook, Google+ and other social networks—by hosting a preview of the landing. The guests joined participants at six other NASA field centers around the nation via a NASA Television simulcast to view a special live series of presentations and ask questions of the science and engineering team at the Jet Propulsion Laboratory, which manages the Mars Science Laboratory (MSL) mission for NASA. The day's event also featured a tour of four Glenn test facilities—including the 10- by 10-Foot Supersonic Wind Tunnel, in which a scale-version of Curiosity's parachute was tested. As a culminating feature, Glenn's own Mars expert, Dr. Geoffrey Landis, gave an illuminating presentation on the evolution of Mars, NASA's past missions and proposals for future missions.

Continued on page 3

C-2012-3139 Photo by Michelle Murphy

Photo by Mack Thomas

Pictured, clockwise: Family fun at the Cleveland Museum of Natural History with remote-controlled Curiosity rover on Mars surface. • A young visitor greets Rock N Robots at the museum. • Dr. Landis enlightens Social guests on Mars at Glenn's Briefing Center • Colin Creager hosts Social guests on tour of Glenn's SLOPE facility.

C-2012-3098 Photo by Bridget Caswell

Photo by S. Jenise Veris

In This Issue

Straight *from the* Director

Looking Back on FY 2012

Center Director Lugo

Very soon, we will close the books on another successful fiscal year at NASA Glenn. Despite significant budget challenges, the center is able to enter the new year with a plan that protects most of our workforce and only minimally affects our quality of life at work.

The Space Communications and Navigation (SCaN) Testbed, which launched aboard Japan's HTV-3 vehicle in July, is a huge accomplishment for the Center. The testbed has been installed on the International Space Station, and should soon begin the "experiment" phase of its mission. The development of SCaN's capability will have a far-reaching and long-lasting impact on radio frequency communication, and I fully expect to see its capability deployed in multiple applications.

The Center is making slow but steady progress on the High Water Ice Content mission and is close to begin testing in the Icing Research Tunnel. Both of these areas are overcoming their respective challenges, but they are making good progress.

NASA Glenn, along with partner NASA Marshall, are making good progress on the Cryogenic Propellant Storage and Transfer Technology Demonstration mission. We fully expect to begin working on this project very soon.

We also have made significant strides in our external business efforts. Very soon, we will test a fairing for SpaceX, the first of what we expect to be a number of commercial crew and cargo providers to use both our test facilities and engineering capabilities.

We continue to make center-level investments in technology to create new opportunities. Our SiC (silicon carbide) crystals work led to an investment by the Department of Energy, and our continued progress in flywheel and aerogel work is providing Glenn valuable exposure in the community.

To increase our economic activity in our community, an effort was completed with the Manufacturing Advocacy & Growth Network and the National Institute of Standards Technology.

These significant accomplishments are the result of hard work, diligence and innovation by the Glenn workforce, and many of them were acknowledged at the Honor and Center Awards ceremony in August. I fully expect to have similar results next year, despite the challenging year ahead of us. The Glenn community continues to deliver beyond typical expectations, and I am proud to be a part of your team. Thanks for another good year and let's make 2013 even better.

Lugo Outlines Areas Impacted by Budget

Center Director Ray Lugo held an All Hands Meeting with employees Aug. 17 to discuss cost-cutting measures the center must undergo to address the nearly $13 million budget reduction in fiscal year 2013.

Lugo shared his perspective on the Budget Control Act of 2011, and described the strategies that he, Glenn's chief financial officer and senior staff undertook over the past several months to determine which areas within the center would be impacted by the mandated budget reductions and spending cuts.

"We're doing a lot to try to manage these cuts and to mitigate impacts to the center as much as possible," Lugo said.

Lugo highlighted nine areas where actions would be taken—in varying degrees—to address fiscal year 2013 budget reductions. He explained that cost savings are already being recognized in some of the areas. They include: Facility Maintenance & Repairs, Faulty Pressure Vessel Re-Certifications, Agency IT Contract Savings, General Purchase Reduction, Contractor Staff Reduction, Security Contract Negotiations, IT Consolidations, Administrative Consolidation and Janitorial Services—vacuuming frequency.

Lugo asked employees to consider that the cost-cutting measures could have been more severe. "We're doing some things that could potentially be inconvenient, possibly could impact our productivity a little bit, but at the end of the day we're going to be able to take control of our future and perhaps create new opportunities."

At the conclusion, Lugo took questions from the audience and thanked employees for their input. He encouraged them to continue visiting his blog and asking questions.

—By Doreen B. Zudell

2012 Combined Federal Campaign

Kick-Off

Sept. 17, Briefing Center
9:30 to 10:30 a.m.
POC: Anne Mills 3-8715

Pacesetter Campaign

Be a Leader, Be a CFC Pacesetter!
Log in to Employee Express
Sept. 17 through Oct. 1 to make your CFC contribution

Basket Raffle

Oct. 31, Glenn Café
8:00 a.m. to 1:30 p.m.
POC: Mark Kilkenny, 3-8567
or Richard Kurak, 3-8256

Neil Armstrong Leaves Footprints in History

Career Began at Glenn

Neil A. Armstrong, 82, the first man to set foot on the moon during the historic Apollo 11 space mission, died Aug. 25.

Hailing from Wapakoneta, Ohio, Armstrong began his NACA/NASA career in 1955 at the Lewis Flight Propulsion Laboratory (now NASA Glenn) as a test pilot.

NASA Lewis retiree, Robert Graham, recruited Armstrong from Purdue University based on his letter of interest in the Agency's X-15 rocket-propelled plane project. Graham was impressed with Armstrong's humility and eagerness for the possibilities of working at NACA. He was equally impressed that Armstrong had logged over 1500 hours of flight time in a jet as a Navy pilot.

Armstrong later transferred to the High-Speed Flight Station (now NASA Dryden Flight Research Center) at Edwards, California, to serve as an aeronautical research scientist and pilot, until he was selected an astronaut in 1962.

In March 1966, he was commander of the Gemini 8 orbital space flight with David Scott as pilot—the first successful docking of two vehicles in orbit. On July 20, 1969, during the Apollo 11 lunar mission with Michael Collins and Buzz Aldrin, he became the first human to set foot on the Moon. Armstrong subsequently held the position of Deputy Associate Administrator for Aeronautics, NASA Headquarters, before retiring from the agency in 1971.

Armstrong, Apollo 11 Commander

Armstrong

"The loss of Neil is felt by the entire NASA community and especially by his Ohio-based NASA family at the Glenn Research Center," said Center Director Ray Lugo. "Neil has helped turn the complexities, challenges and stumbling blocks of space exploration into stepping stones that others have followed and a brilliant trail for the future explorers. His legacy will inspire those who will follow in his footsteps to Dream Big."

—By S. Jenise Veris

Curiosity Captures the Imagination Community-wide

Continued from page 1

Sparking Excitement

The Curiosity landing celebration resumed on Sunday, Aug. 5, with a NASA Glenn event for the public to enjoy an afternoon of free, fun-filled activities for the entire family at the Cleveland Museum of Natural History in University Circle. Glenn's exhibits, hands-on educational activities and high school robotics team demonstrations, along with a variety of videos, and webcast with subject matter experts discussing Curiosity and related science and technologies, captured the attention of over 2,000 people of all ages. NASA astronaut Gregory H. "Box" Johnson, pilot for space shuttle Endeavor's final flight (STS-134), signed autographs while Cleveland's own Rock N Robots jammed on stage.

"It was very rewarding to see the excitement in the local community around this mission and to also share the unique work being performed at the Glenn Research Center for future missions," said Bryan Smith, Glenn's Space Flight Mission Director, who provided welcoming remarks.

Up All Night

The celebration continued into the wee hours of Monday morning as Glenn partnered with the Great Lakes Science Center, home of the NASA Glenn Visitor Center, to host a Space Sleepover. From 6 p.m. until the first signal of Curiosity's landing detected by the JPL mission control (1:32 a.m. EDT, Monday, Aug. 6), the center became a space adventure for Summer of Innovation students.

Photo by Mack Thomas

C-2012-3204 Photo by Michelle Murphy

Good Morning Mars

On Monday morning, just hours after the landing, Glenn employees stopped by the Café to bask in NASA's success and watch NASA TV coverage of Curiosity's latest developments, while enjoying a special Mars-themed breakfast.

—By S. Jenise Veris

C-2012-3129 Photo by Bridget Caswell

Pictured, left: Guiding Curiosity in orbit for Mars landing on the Xbox at the museum. Right, top: Parachuting payloads at the GLSC. Right, below: Center employees admire the life-size poster of Curiosity in 3-D during the Good Morning Mars event.

New Chief Appointed to External Programs Division

Sanderson

Stephen J. Sanderson, a seasoned professional in mass communication, has been selected Chief, External Programs Division. He oversees both the Community and Media Relations and the Educational Programs offices, responsible for the development and implementation of educational, information and outreach programs.

"It's my goal to showcase the accomplishments of Glenn to the local and regional communities," Sanderson said. "I want to expand educational outreach and strengthen and renew partnerships with other organizations who have similar missions."

Prior to joining the NASA team, Sanderson dedicated 42 years in the U.S. Army as both soldier and civilian in the mass communication career field. As a journalist, broadcaster, webmaster, spokesperson and advisor to senior military leaders, he has held a variety of assignments within the United States, Korea, Germany and Italy. Sanderson most recently served with U.S. Army Africa, headquartered near Venice, Italy, to document the accomplishments of our men and women in uniform and to increase the capacity of African militaries.

"NASA and the U.S. military have a long-standing relationship," said Center Director Ray Lugo. "Steve brings a vast amount of unique experience and a new perspective to share our story with the public."

News and Events

Curiosity's Encore ›

NASA Glenn partnered with the Cleveland Orchestra in "A Tribute to John Williams" (composer of many memorable movie soundtracks, including Star Wars, Close Encounters of the Third Kind and E.T.: The Extra Terrestrial) Aug. 12 at the Blossom Music Center. Over 7,500 people attended the event, which included a NASA exhibit featuring literature and 3-D glasses to view images transmitted from the Mars Curiosity rover. Kristin Spear, Radioisotope Power Systems Program Office; Ann Over, chief of the Space Science Project Office; and Chris Hartenstine, Educational Programs Office, pose with some special visitors at the NASA tent.

Photo by Eric Pugh/Cleveland Orchestra

C-2012-3742 Photo by Bridget Caswell

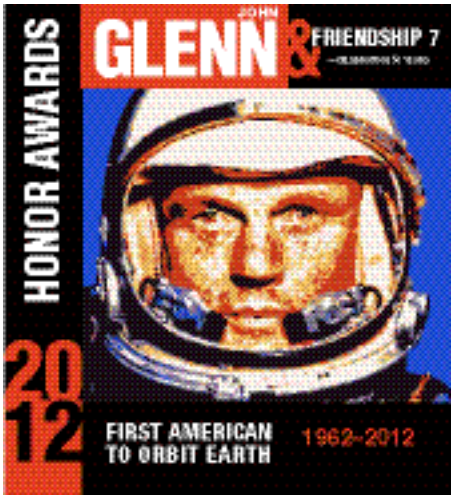
Community Cheers Suni ˇ

Family, friends and members of the public gathered at St. Mary's Church on Holmes Avenue in Cleveland the evening of July 14 to celebrate and view the launch of Cleveland native NASA astronaut Sunita Williams aboard a Soyuz spacecraft from Kazakhstan to the International Space Station. Event highlights included a presentation by astronaut and Wadsworth native Mike Foreman, an appearance by astronaut Doug Wheelock and hands-on NASA exhibits. Pictured is Williams during a suit "fit check" in Kazakhstan prior to launch day.

Photo by NASA/Victor Zelentsov

ˆ New Look for Security Force

Have you noticed new vehicles and uniforms on members of NASA Glenn's security force? Pictured, left to right, is Officer Arthur Brown, Lieutenant Michael Osko and Officer Charles Rednour sporting the new uniform. LINXX Global Solutions, a service-disabled, veteran-owned small business headquartered in Virginia Beach, Va., assumed the Protective Service contract functions for Lewis Field and Plum Brook Station as of Aug. 1. It now manages the protection force and provides services for emergency management, classified national security information, credential management, traffic and access control, locksmith services and personnel security.



NASA Acting Associate Director Robert Lightfoot, Jr. standing, gave the keynote address and helped Center Director Ray Lugo, seated, present awards.

Center Director Ray Lugo, with the assistance of special guest NASA Acting Associate Administrator Robert Lightfoot, Jr. presented the 2012 Honor Awards and Center Awards to a total of 108 civil servant and support service contract employees on August 9. The contributions made by the award recipients personify exceptional achievement, demonstrate a clear dedication to NASA and support the goals of the agency.

EARLY CAREER ACHIEVEMENT MEDAL

Vivake M. Asnani
For exceptional early career contributions advancing the state of the art in surface mobility and terramechanics with significant impact on major NASA missions and programs.

Nikki D. Brown
For professional and personal achievements in excellent procurement support to GRC projects and programs.

Lynn A. Capadona
For exceptional achievements in supporting the NASA research and flight programs as an early career employee.

John J. DeGreen
For outstanding engineering contributions to fulfill the mission of the Glenn Research Center.

Stefanie M. Hirt
For significant achievement and team leadership in the development of low-boom supersonic inlet technology.

EQUAL EMPLOYMENT OPPORTUNITY MEDAL

Denise R. Busch
For outstanding achievement in Equal Employment Opportunity efforts in recruiting and training future leaders.

Lancert E. Foster
For sustained and outstanding contributions to the principles of equal opportunity, diversity and inclusion.

Dennis P. Stocker
For exceptional efforts toward NASA's equal opportunity goals through innovative student programs, introducing a diverse range of students to NASA's goals and opportunities.

EXCEPTIONAL ACHIEVEMENT MEDAL

Vicki J. Crable
For exceptional achievement in NASA Space Flight Projects, enabling the in-space demonstration Ares 1-X and new CoNNeCT communications technology.

Jay G. Horowitz
For groundbreaking work in high-performance computing and visualization environments in support of NASA programs.

Tina L. Jicha
For exceptional achievement re-engineering the Space Flight Systems business process for planning and executing program direct assessments.

Thomas J. Kacpura
For superior technical leadership and teamwork shown in the development, test, delivery and integration of the three software defined radios for the CoNNeCT Flight Experiment.


Stocker

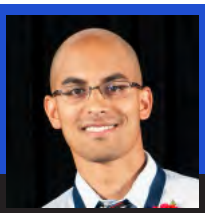

Crable


Horowitz


Jicha


Kacpura


McGinnis


Asnani


Brown


Capadona


DeGreen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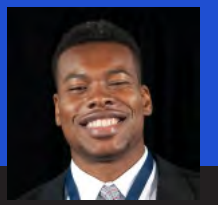
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2012 HONOR AWARDS


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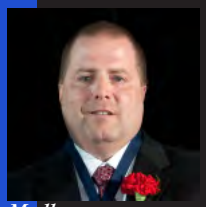
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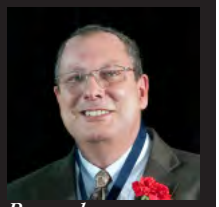
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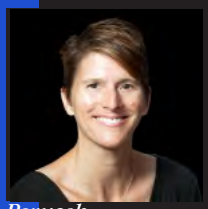
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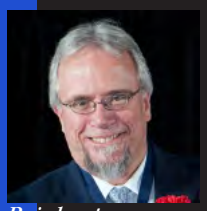
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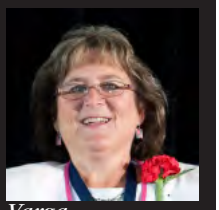
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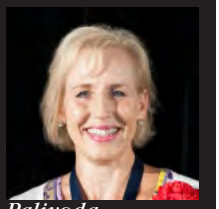
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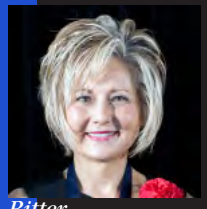
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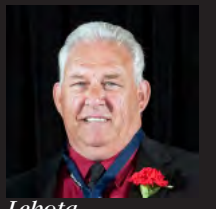
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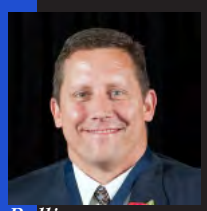
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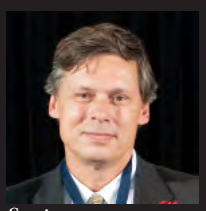

Sexton

Katherine L. McGinnis
For exceptional dedication and technical excellence in providing the materials and processes engineering effort on the Advanced Stirling Radioisotope Generator Project.

Kevin M. McPherson
For exceptional leadership in the conduct of operations of the Fluids and Combustion Facility, attaining significant research results for the microgravity research community.

Karen M. Meinert
For exceptional leadership in decommissioning the Process-Based Mission Assurance (PBMA) System and implementing the NASA Safety Center Knowledge Now System.

Ronald A. Mullenax
For exceptional achievement in the development of innovative work tools, which enhanced GRC's ability to direct a comprehensive and proactive workforce plan.

Keith M. Peecook
For exceptional achievement in leading the Plum Brook Reactor Facility (PBRF) Decommissioning Team's efforts to decommission the Nuclear Reactor at Plum Brook Station.

Gail P. Perusek
For exemplary contributions in the delivery of the "Glenn Harness," significantly improving NASA's astronaut treadmill exercise capability on the International Space Station.

Chip Redding
For innovative design and packaging solutions enabling the Upper Stage Thrust Vector Control system to finalize their design and begin release of drawings.

Richard C. Reinhart
For exemplary contributions in advancing the state of the art in software defined radio as the Principal Investigator of the CoNNeCT Space Communication and Navigation Testbed.

Kurt A. Straub
For leadership in redesigning NASA business systems for compliance with new IRS withholding rules.

Anita D. Tenteris-Noebe
For technical excellence and exceptional skill in guiding efforts to prioritize Glenn Construction of Facilities (CoF) projects by using risk informed decision making (RIDM).

Denise M. Varga
For exceptional achievement in the design, development, integration and verification of the Communications, Navigation and Networking reConfigurable Testbed software.

Mark R. Woike
For innovations in microwave sensing for blade tip clearance and in the replacement of the 8×6 and 9×15 wind tunnels controls system, benefiting the aerospace industry.

EXCEPTIONAL ADMINISTRATIVE ACHIEVEMENT MEDAL

Monica M. Palivoda
For exceptional leadership and administrative services to the Glenn Research Center.

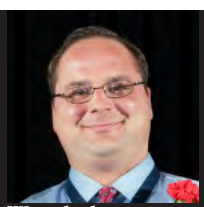
Susan A. Ritter
For exceptional achievement leading the administrative execution of the Space Flight Systems Directorate reorganization, elevating the standard for administrative excellence.

EXCEPTIONAL PUBLIC ACHIEVEMENT MEDAL

Douglas L. Lehota
For exceptional service and commitment to NASA's electrical safety program, resulting in lowering the safety risk to GRC's workforce.

Douglas R. Pulling
For sustained performance supporting the Space Communication and Navigation (SCaN) Program as the CoNNeCT Project Scheduler and as the SCaN Program Master Scheduler.

John A. Sexton
For sustained exceptional achievement in leading the system integration and test activities for the SCaN Testbed.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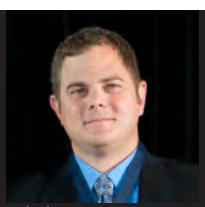
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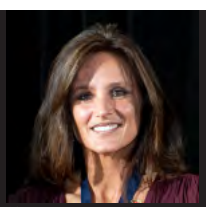
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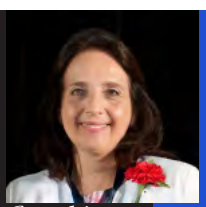

Gorecki

Evan T. Wunderle
For innovative conceptualization and design of the Automated Security Authorization Project at Glenn Research Center, resulting in substantial workflow and cost efficiencies.

EXCEPTIONAL PUBLIC SERVICE MEDAL

Christopher J. Blake
For exceptional public service to NASA's cost estimating and analyses community on multiple projects and initiatives.

Gayle T. DiBiasio
For sustained exceptional leadership and success in educating the public of NASA's Mission and significantly improving NASA's image through the use of cutting-edge multimedia.

Christine R. Gorecki
For truly outstanding organizational contributions to NASA Exploration Technology Development and International Space Station research at the NASA Glenn Research Center.

Richard D. Rinehart
For outstanding efforts in advancing the center's high-end computing and visualization capabilities, fostering multicenter collaborations and promoting the agency and center.

EXCEPTIONAL SCIENTIFIC ACHIEVEMENT MEDAL

Roy M. Sullivan
For contributions to the understanding of the underlying physics responsible for the high-temperature mechanical behavior of phenolic polymer composites.

EXCEPTIONAL SERVICE MEDAL

Timothy D. Best
For technical excellence and distinguished performance in applying SMA expertise and independent technical authority to reduce risk for GRC space flight programs and projects.

Dan L. Bulzan
For exceptional technical expertise and leadership in developing low-emissions combustor technologies for aeronautics programs.

HONOR AWARDS 2012

Daniel A. Catalano
For exceptional service on the development of space flight hardware for NASA's research initiatives.

Debra J. Deangelo
For exceptional service in managing institutional resources, using innovative techniques to maintain a center infrastructure that effectively serves the NASA mission.

Nancy R. Hall
For exemplary contributions to the Agency's goal of promoting and educating America's youth in science, technology, engineering and mathematics (STEM).

Sally V. Harrington
For helping to enhance the public's engagement with NASA and for contributing to our nation's science literacy and a more inspired and informed society.

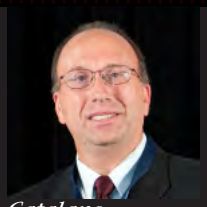
Robert S. Jankovsky
For exceptional engineering service to Glenn Research Center and NASA in support of in-space transportation.

Ralph H. Jansen
For engineering accomplishments in the development of terrestrial flywheel energy storage systems.

Gregory H. Johnson
For distinguished contributions to the nation's Space Program as a pilot for the STS-123 and STS-134 missions.

Jerald J. Kennemuth
For many years of exceptional legal service to NASA in the areas of procurement, fiscal law, litigations and personnel management.

Thomas W. Kerslake
For exceptional knowledge of photovoltaic solar arrays and space power systems and a widely sought ability to apply this knowledge to solve problems for NASA missions.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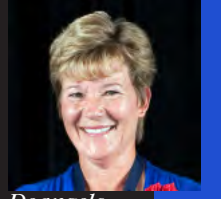
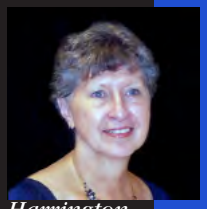

Deangelo


Hall


Harrington


Jankovsky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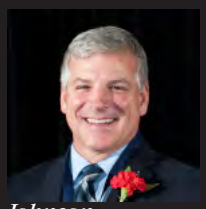
Johnson


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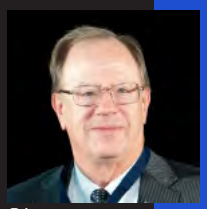
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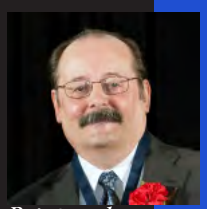
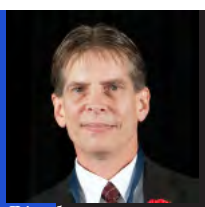
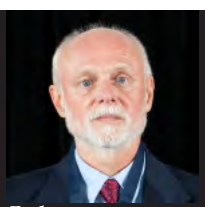

Potapczuk


Rinehart


Sullivan


Best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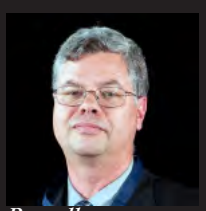
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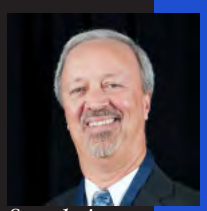
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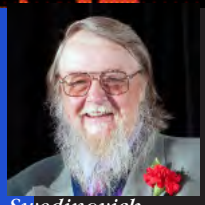
2012 HONOR AWARDS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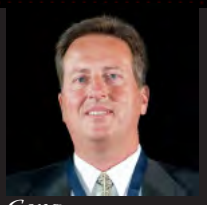
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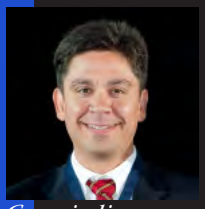
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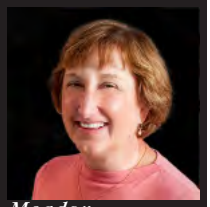
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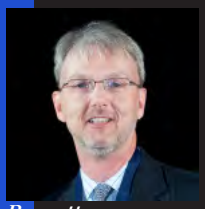
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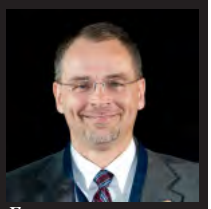
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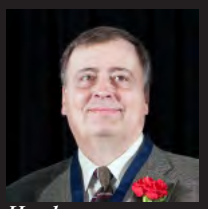
Harrington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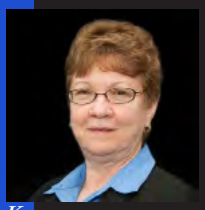
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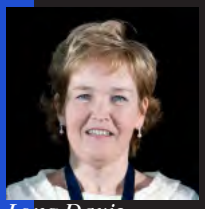
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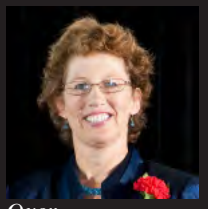
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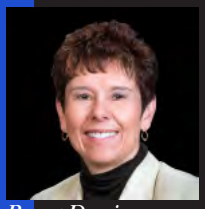
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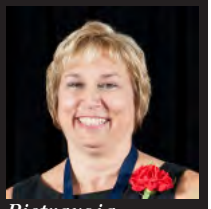
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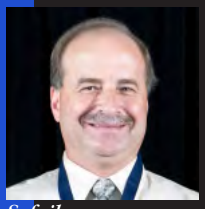
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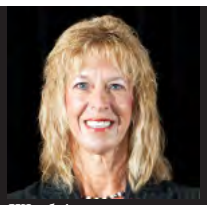
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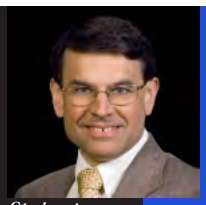

Steinetz

Robert P. Lisy
In recognition of many professional and personal achievements in support of NASA and Glenn Research Center programs and projects.

Jesus M. Lopez
For exceptional service and outstanding performance machining and model-making of aeronautics and space flight hardware in support of NASA missions.

David H. Manzella
For continuous development of NASA electric propulsion technology, resulting in advanced propulsion capabilities to support NASA missions.

Phillip G. Neudeck
For exceptional service in developing revolutionary silicon carbide (SiC) devices and serving as Executive Chair for a world premier international SiC conference.

Mark G. Potapczuk
For significant and sustained performance in icing research and unusual initiative in international collaborations that have directly improved world-wide aviation safety.

Joseph E. Rossoll
For exceptional technical performance and commitment to customer satisfaction in support of the Testing Division, its experimental facilities and customers.

Rafael Sanabria
For 32 years of exceptional service and multiple contributions to NASA's information technology and the safety and mission assurance communities.

Donald Swedinovich
For successful management of GRC's utilities contracts and ongoing coordination of the central process systems utilization.

EXCEPTIONAL TECHNOLOGY ACHIEVEMENT MEDAL

Steven M. Geng
For the successful design, analysis, fabrication and testing of a first-of-a-kind 2-kilowatt Stirling power conversion system with a pumped liquid metal heat source.

Nicholas J. Georgiadis
For sustained leadership and successful development of the Wind-US Version 3.0 computational fluid dynamics (CFD) code and technology transfer to external organizations.

Mary A. Meador
For innovation in developing polyimide aerogels and their fabrication methods to enable novel aerospace antenna concepts and new atmospheric re-entry materials systems.

OUTSTANDING LEADERSHIP MEDAL

Michael J. Barrett
For exceptional and sustained leadership while serving as the Space Communication and Navigation (SCaN) Testbed Chief Engineer.

James M. Free
For outstanding leadership in accomplishing the strategic goals for the NASA Glenn Research Center.

Tammy L. Harrington
For outstanding leadership of the Exploration Technology Development Program and enabling its successful transition to the Office of the Chief Technologist.

William O. Hughes
For outstanding and significant contributions to the design and building of the Crew Exploration Vehicle Space Environmental Testing Program's Acoustic Facility.

Susan M. Kraus
For outstanding leadership in managing logistics and transportation services that have been critical to achieving agency objectives and program milestones.

Cheevon B. Lau
For outstanding leadership in audits, reviews and assessments of agency safety and mission assurance requirements, leading to safe and successful missions and operations.

Mary J. Long-Davis
For exceptional leadership in the advancement of supersonic and hypersonic air-breathing propulsion technologies.

Ann P. Over
For outstanding leadership of the CoNNeCT Project, a Space Station software-defined radio research facility that will revolutionize space communications and navigation.

Marla E. Perez-Davis
For outstanding leadership resulting in significant process improvements in

Continued on page 9

the Center Research and Technology Directorate and the Center Aeronautics Research Office.

Lori O. Pietravoia
For outstanding leadership in achieving results, serving as a role model, leading people and influencing change at the Glenn Research Center.

Robert J. Sefcik
For outstanding leadership and innovation in NASA's cost estimating and analyses community on multiple projects and initiatives.

SILVER ACHIEVEMENT MEDAL

NSC Information Dissemination Team
For outstanding contributions in increasing agency awareness of NASA's top safety issues.

John M. Brinkman
Sallie A. Keith
Suzanne L. Otero
Adam M. Porter
Matthew S. Porter

GROUP ACHIEVEMENT AWARDS

Advanced Stirling Convertor Early Development Team

CCE–LIMX Model Development and Test Team

CoNNeCT Project Team

GRC Badge Support Team

GRC EVA Power Avionics and Software Desert RATS

GRC Proposal Support Team

Icing Research Tunnel Group Achievement Award

Medical First Responder Team

NASA Glenn Automotive Technology Showcase

NASA Glenn Technology Showcase

NASA Near Earth Network Ka-Band Propagation Team

Non-Flow-Through (NFT) Proton Exchange Membrane (PEM) Fuel Cell Team

Plum Brook Reactor Facility (PBRF) Decommissioning

SCaN Testbed Development Team

Space Environment Test (SET) Team

Three-Stream Nozzle Concepts Evaluation Team

Citations are reproduced from the Honor Awards Program. Graphic design by Lisa Liuzzo. Photos by Marvin Smith & Michelle Murphy.

SENIOR EXECUTIVE SERVICE APPOINTMENTS

Laurence A. Sivic
Laurence A. Sivic was appointed to the position of Chief Financial Officer, effective August 28, 2011.

Janet L. Watkins
Janet L. Watkins was appointed to the position of Associate Director, effective July 15, 2012.

PRESIDENTIAL RANK AWARD

The President of the United States of America has conferred upon

Bruce M. Steinetz
the rank of Meritorious Senior Professional

For sustained superior accomplishment in management of programs of the United States Government and for noteworthy achievement of quality and efficiency in public service.

LENGTH OF SERVICE AWARDS

FORTY-YEAR SERVICE AWARDS

Bradley J. Baker
Robert E. Grossman
Barbara B. Harris
Jesus M. Lopez
Donald J. Ornick
Jim Simek
Donald Swedinovich, Jr.
Gary L. Wilder

FORTY-FIVE-YEAR SERVICE AWARD

Robert C. Anderson
Robert L. Cataldo
Christos C. Chamis
Marvin E. Goldstein
Jeffrey H. Miles
Lawrence J. Schroeder, Jr.

FIFTY-YEAR SERVICE AWARD

Ernest Bertone II

FIFTY-FIVE-YEAR SERVICE AWARD

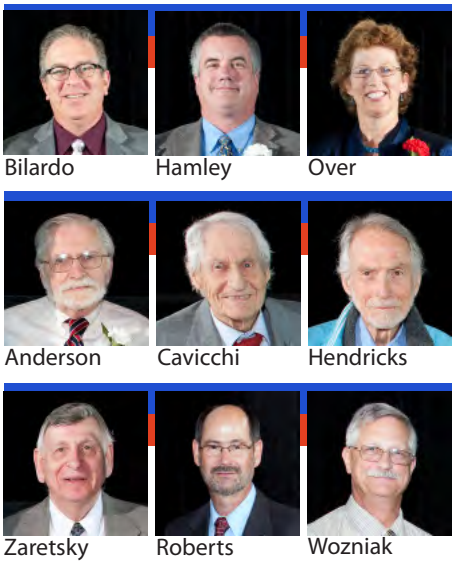
Robert C. Hendricks

CENTER AWARDS 2012

FEDERAL ACQUISITION CERTIFICATION FOR PROGRAM AND PROJECT MANAGERS

For satisfaction of NASA/FAI requirements for the Senior-Expert Level. It grants membership into NASA's Professional Acquisition Community and is recognized throughout the Federal Government.

Vincent J. Bilardo
John A. Hamley
Susan M. Motil
Ann P. Over


Bilardo Hamley Over
Anderson Cavicchi Hendricks
Zaretsky Roberts Wozniak

NASA 50 YEARS HONOREES OCTOBER 1, 1958 – OCTOBER 1, 2008

We express our sincere appreciation, profound admiration and pride as we celebrate your dedication and commitment to the Glenn Research Center and NASA.

Bernhard H. Anderson
Richard H. Cavicchi
Earl R. Hanes
Robert C. Hendricks
Erwin V. Zaretsky

ABE SILVERSTEIN AWARD

Gary D. Roberts
For contributions in the development of composite structural concepts for fan containment and lightweight rotocraft gear systems and for contributions to aviation safety.

CRAFTSMANSHIP AWARD

Walter A. Wozniak
For developing the processes, methods, fixtures and tooling that enabled the demonstration of the world's first corrosion-immune, shockproof ball bearing.

STEVEN V. SZABO ENGINEERING EXCELLENCE AWARD

The Cryogenic Boil-Off Reduction System (CBRS) Engineering Team
For their creative and unique solutions for the design, analysis, fabrication, procurement, build-up and check-out of the test and facility hardware.

Robert J. Christie
Justin P. Elchert
Monica C. Guzik
Daniel Hauser
James L. Myers
Dale A. Robinson
Thomas M. Tomsik

2012 CENTER AWARDS

Steven V. Szabo Engineering Excellence Award. Center Director Lugo, Guzik, Christie, Robinson, Myers and Hauser. Not pictured: Elchert and Tomsik.

DIVERSITY LEADERSHIP AWARD

Nola L. Bland

For exemplary leadership, dedication to advancing diversity and commitment to excellence in service to others.

PROCUREMENT PERSON OF THE YEAR

Mark A. Rebholz

For efforts in performing extensive market research in order to set-aside procurements for small business, targeting specific socioeconomic categories in order to meet agency and center small business goals.

TECHNICAL TEAM OF THE YEAR

High Ice Water Content Flight Services Team

For efforts to select a small business to perform a highly challenging aircraft modification and atmospheric flight test program.

Kurt S. Blankenship
Timothy M. Bober
Randy S. Clapper
Renato O. Colantonio
Edward F. Emery
Timothy M. Gaydos
David T. Grantier
Karen K. Hughes
Jerald J. Kennemuth
Thomas G. Kraft
Adabelle Narvaez-Legeza
Jeffrey A. Polack
Thomas P. Ratvasky
Paul A. Solano
Paul A. Steve
Peter M. Struk

SMALL BUSINESS SPECIALIST OF THE YEAR

Teresa L. Monaco

For efforts to promote small business opportunities at GRC and instructing the procurement and technical staff about small business issues.

SMALL BUSINESS PROGRAM PERSON OF THE YEAR

Michael A. Cauley

For efforts to seek out small businesses during market research in order to increase small business awards and to work with small businesses to help them understand NASA requirements.

SMALL BUSINESS PRIME CONTRACTOR OF THE YEAR

Sierra Lobo, Inc.

For work in supporting other small businesses and for subcontracting with another small business to contribute to NASA's mission objectives.

SMALL BUSINESS SUBCONTRACTOR OF THE YEAR

ZIN Technologies, Inc.

For work in mentoring other small businesses to develop their capabilities, therefore providing additional quality support to NASA.

LARGE BUSINESS PRIME CONTRACTOR OF THE YEAR

Aerojet–General Corporation

For work in actively seeking to partner and subcontract with small businesses, meeting or exceeding their small business subcontracting goals and the goals are reasonable for the type of work performed.

SUPPORT ASSISTANT/CLERICAL AWARD

NASA GLENN RESEARCH CENTER

Vanessa F. Easterling
Kathryn M. Roser
Catherine Wilson

SGT, INC.

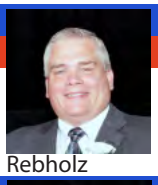
Maryann Buswell
Kimberly Sivillo
Deborah Szczepinski

Small Business Prime Contractor of the Year, Sierra Lobo, Inc. Center Director Lugo and Brian Rice.

Small Business Subcontractor of the Year, ZIN Technologies, Inc. Brian Finley, Center Director Lugo and Robert Yarber.

Large Business Prime Contractor of the Year, Aerojet–General Corporation. Carol Rice, Center Director Lugo and Eric Veith.

Bland

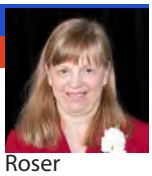


Rebholz

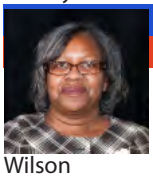
Monaco

Cauley

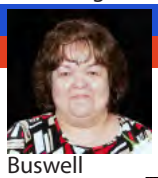
Easterling



Roser



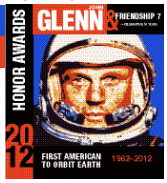
Wilson



Buswell

Sivillo

Szczepinski



In Memory

Joseph R. Avsec, 85, who retired in 1980 with 23 years of federal service, died Aug. 12. Avsec was a U.S. Marine Veteran of the Korean Conflict. During his 18 years at NASA, he served primarily in the Fabrication Division, where he earned recognition for proposing a more efficient process for removing and installing thermocouples in a combustor. His method reduced the installation time by more than half and potential damage to instrumentation. Avsec was a former chief steward and chairman of the negotiating committee for the AFGE Local 2182.

Milton Kofskey, 92, who retired in 1980 with 36 years of NASA service, died May 22. Kofskey was an aerospace engineer and turbine technology expert who wrote extensively on applications for low-cost turbojet engine design. As a member of the Fluid System Components Turbo-Drive Branch, Kofskey supported the NASA Lewis Low Cost Engine Program developing advanced design procedures and concepts and applying them to the center's ever-changing programs requiring turbine power.

Donald J. Veleba, 81, who retired in 1995 with 35 years of NASA service, died July 16. Veleba began his NASA career supporting projects in the Test Installations Division after graduating from the Lewis Apprentice Program as an electronics technician. He later worked on the NASA Fuels Technology Program performing combustor studies for special fuels to meet future demands of U.S. air transportation. Veleba won a Special Achievement Award as a member of the Rocket Engine Test Facility's Instrument and Control Area Modifications team. He also earned recognition for his method of repairing a defective rectifier used in experimental electronic equipment. He retired from the Facilities Engineering Division.

Luequention "Luke" Wilkins, Jr. 65, who retired in 2004 with 40 years of NASA service, died June 12. Wilkins began his NASA career following graduation from the Lewis Apprentice Program as an aerospace laboratory mechanic. He supported testing in the Electric Propulsion Research Laboratory, and later the Technical Services Coordination Office, where he was named head of the organization in 1980. In 1987, he transitioned into the area of health and safety, demonstrating leadership and dedication as deputy chief and safety officer in the Office of Safety and Mission Assurance. Wilkins actively mentored on the job, as well as tutored potential candidates from the inner city for the apprentice program. He also was a member of several Group Achievement Awards for his service.

Wilkins

Retirements

Ronald Mohr, Office of Protective Services, Center Operations Directorate, retired on Aug. 31, 2012, with 32 1/2 years of federal service.

Mohr

Exchange Online Gift Shop
www.nasagiftsshop.com

Calendar

POW/MIA CEREMONY: The Veterans Awareness Committee will hold its POW/MIA recognition event on Friday, Sept. 21, from 1 to 3 p.m. in the Administrative Building Aud. Featured speaker is Rear Admiral Robert Shumaker. POC: Gloria Richards, 3-5395

PLUM BROOK REUNION: The sixth PBS reunion will be Saturday, Sept. 22, at the Engineering Building. Current and former employees of PBS, support service contractors and surviving spouses are invited. Contact: Bill Brown at 3802 Windsor Bridge Circle, Huron, OH 44839, or e-mail huronbill@bex.net or Jack Crooks at jackcrooks@aol.com.

LUNCH WITH THE DIRECTOR OF: Director of Space Flight Systems Directorate Bryan Smith will host the next Lunch with the Director Of on Wednesday, Sept. 26, from noon to 1 p.m., in the Glenn Café . POC: Meghan Ganss, 3-5835

FREE FACILITY TOUR: On Saturday, Oct. 6, the public can learn more about Glenn's Zero Gravity Research Facility—the largest of its kind in the United States. On-the-hour tours of the facility begin at 10 and 11 a.m.; 12 and 1 p.m. Call 216-433-9653 to register.

HISPANIC HERITAGE MONTH OBSERVANCE: The center will celebrate Hispanic Heritage Month on Wednesday, Oct. 10, from 10 a.m. to noon, in the Administrative Building Aud. POC: Azlin Biaggi-Labiosa, 3-5044

IFPTE LOCAL 28, LESA MEETING: LESA will hold its next membership meeting on Wednesday, Oct. 10 at noon in the Employee Center's Small Dining Room.

DISABILITY AWARENESS EVENT: The Disability Awareness Advisory Group will host its annual observance on Tuesday, Oct. 30 at 10 a.m. in the Administrative Building Aud. Guest speakers include Medina native Randy Schmidt, a Vietnam War veteran who lost his eyesight during the war; and Cynthia Jo Parsons, a Northeast Ohio caregiver for a wounded warrior. POC: Kathy Clark, 3-8354

Article Deadlines

News items and brief announcements for publication in the October issue is noon, Sept. 21. Larger articles require at least one month notice.

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Hermes Award 2009-2012

2010 APEX AWARDS FOR PUBLICATION EXCELLENCE

National Aeronautics and Space Administration

John H. Glenn Research Center at Lewis Field
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Cleveland, Ohio 44135
www.nasa.gov

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Editor: **Doreen B. Zudell**, SGT, Inc.
Assistant Editor: **S. Jenise Veris**, SGT, Inc.
Managing Editor: **Kelly R. DiFrancesco**

A Day Dedicated to "Why Safety Matters"

A variety of presentations and panel discussions throughout the 2012 NASA Glenn Safety Awareness Day program on Aug. 7 offered employees opportunities to reflect on the theme "Why Safety Matters To Us."

The event kicked off in the Lewis Field Hangar that morning, airing live on Glenn TV to Plum Brook Station and across Lewis Field. Center Director Ray Lugo, Glenn's Safety and Mission Assurance Director Anita Liang and NASA Safety Center Director Alan Phillips welcomed employees and shared examples of why safety is the responsibility of every employee.

Associate Administrator for the Mission Support Directorate Dr. Woodrow Whitlow and Assistant Administrator for Strategic Infrastructure Olga Dominguez provided commentary before presenting the agency's prestigious Blue Marble Award to Keith Peecook. He was recognized for outstanding leadership and management of the decommissioning of the Plum Brook Reactor Facility.

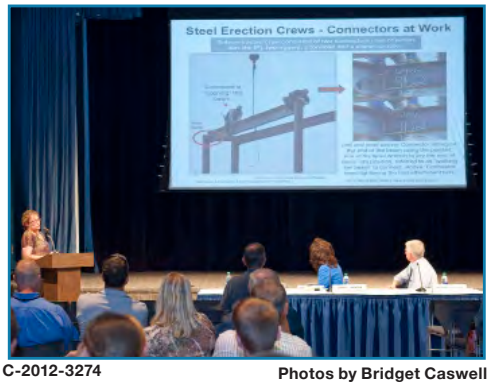
In the keynote address, "Remember Charlie," Charlie Morecraft, a former Exxon oil refinery operator, shared in gripping detail of the suffering, both physical and mental, he has endured from burns to nearly 50 percent of his body due to shortcuts in safety procedures and disregard for safety equipment.

C-2012-3243

C-2012-3233

Pictured, clockwise: Morecraft holding his burn mask • Peecook, center, receives congratulations from, left to right: Dr. Whitlow, Dominguez, Liang, Lugo and Dr. Rickey Shyne, director of Facilities & Tests Directorate • Safety literature and product displays • Glenn Mishap Review panelists discuss Centralized Office Bldg.

C-2012-3258



C-2012-3274

Photos by Bridget Caswell

In the afternoon, employees could choose from two safety panel discussions: "The NASA Mission Assurance Panel," comprising multicenter panelists; and "The Mishap Review Panel," comprising Glenn personnel who shared lessons learned on recent Glenn incidents at the Centralized Office Building construction site, the Zero-G Facility and at the Main Gate.

—By S. Jenise Veris